



Name: Vitaly Vysotsky

Affiliation: since 2002: Russian Scientific R&D Cable Institute

Position: Head of Department of Superconducting Cables (100+ people)

Previous Positions: 1970-1994 – Research positions in Applied Superconductivity Laboratory in Lebedev Physical Institute, from junior to senior researcher, head of group; 1993 - 2002 – Visiting scientist, visiting professor in Laboratories and Universities worldwide: Slovakia (Electrotechnical Institute of SAS), the Netherlands (Twente University), USA (PSFC MIT), Japan (Kyushu University), France (CEA, Saclay) and others

Education: PhD in Physics, Russian Academy of Science, 1986 Doctor of Science, Russian Academy of Science, 2004

Research Interests/Areas of Expertise: Experimental studies of physical processes in superconductors, superconducting cables and superconducting devices. Experimental studies of properties of superconductors. Application of superconductivity to real devices. Study of combined use of hydrogen and superconductivity for energetics – “hydricity”. Managing of full scale production of superconducting devices, cables and conductors for magnet system of ITER and for HTS power applications. Professor in National Nuclear Research University – Moscow Engineering Physical Institute - teaching of applied superconductivity. Tutoring of Master and PhD students.

Publications: Over 170 refereed publications on different areas of Applied Superconductivity: Superconducting magnets, Stability and Quench protection of LTS and HTS devices and cables, Superconducting switches, AC Superconductivity, HTS devices for electro- technical applications, Nb₃Sn and NbT conductors, R&D for fusion, etc.

Approximate Number of Years in Applied Superconductivity: 44 (since 1970)

Service to Related Conferences: Member of International Organizing Committee of Magnet Technology Conference (MT)
Program Committee member of MT22, MT23, EUCAS-2011 and 2013, ICEC-25
Member of ICEC Board
Reviewer, Technical Editor and Leading Editor in IEEE Transactions on Appl. Superconductivity
Member of ESAS and Editor in SNF

Other: Senior member of IEEE
Academician of Academy of Electro-technical Sciences of Russian Federation
Prize of Government of Russian Federation in Science and Technology for “Development of innovative hydrogen and superconductive technologies for energetics” in 2012